

**APPENDIX D**  
**ANTELOPE VALLEY MEADOW**  
**RESTORATION PROPOSAL**  
**AND**  
**COST ESTIMATES**

## ANTELOPE VALLEY MEADOW RESTORATION PROPOSAL COST ESTIMATES

Feb-08

<b>Work Item</b>	<b>Estimated Cost</b>
Field Work & Site Surveys	\$8,000.00
NEPA/CEQA	\$0.00
Permit Acquisition	\$5,000.00
Project Design & Engineering	\$15,000.00
Contract Preparation	\$1,000.00
Contract Administration	\$14,000.00
Contract Cost	\$525,000.00
Materials & Supplies	\$1,000.00
Monitoring	\$3,000.00
Total	<b>\$572,000.00</b>

# ANTELOPE VALLEY MEADOW RESTORATION PROPOSAL AND COST ESTIMATES

Feb-08

## Meadow Restoration Cost Estimate

Bear Valley Project Length (ft)	8000
Total Cost w/rock	\$400,000
Total Cost per foot	\$50
Cost w/o rock	\$275,000
Cost per foot	\$34
Antelope Valley Project Length (ft)	9000
Total Cost @ \$50/ft	<b>\$450,000</b>
Total Cost @ \$34/ft	\$309,375

## Antelope Valley Road Relocation Cost Estimate

Length of Relocated Rd (mi)	1.3
Length of Reconstructed Rd (mi)	1.8
Number of Xings	6
Cost to reconstruct @ \$5,000/mi	\$9,000
Cost to obliterate @ \$2,000/mi	\$2,600
Total	<b>\$11,600</b>

## Antelope Valley Road Reconstruction Cost Estimate

Length of Reconstructed Rd (mi)	1.3
Number of Xings	4
Length of Rd to Relocate	0.4
Number of Xings	1
Cost to reconstruct @ \$5,000/mi	\$4,500
Cost to relocate @ \$15,000/mi	\$6,000
Total	\$10,500

## Palen Reservoir Bypass Ditch Obliteration

Length of Ditch (ft)	3,960
Average Ditch Width (ft)	15
Average Ditch Depth (ft)	5
Volume (yd <sup>3</sup> )	11,000
Days @ 1200 yd <sup>3</sup> /day	9
hours	73
Cost @ \$200/hr	<b>\$14,667</b>

Estimated Total Construction Cost =	\$476,267	X1.1=	<b>\$523,893</b>
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## ANTELOPE VALLEY MEADOW RESTORATION PROPOSAL AND COST ESTIMATES

Feb-08

### Engineering Surveys

Estimated Number of XSs	30
Survey Days @ 3 XSs/day	10
Long Profile @ 4500'/day	2
Total Survey Days	12
Total Survey Hours	96
Cost @ \$50/hour	\$4,800
Travel @ 120/day (mi)	1440
Travel @ 0.55/mi	\$792
Data Development (hrs)	40
Cost @ \$50/hour	\$2,000
Total Cost	<b>\$7,592</b>

### Engineering Design and Layout

Estimated Number of Plugs	75
Number of Plug Layouts/day	6
Number of Days to Layout	13
Number of Ponds	75
Number of Pond Layouts/day	6
Number of Days to Layout	13
Total Layout Days	25
Total Layout Hours	200
Cost @ \$50/hour	\$10,000
Travel @ 120/day (mi)	3000
Travel @ 0.55/mi	\$1,650
Data Development (hrs)	40
Cost @ \$50/hour	\$2,000
Total Cost	<b>\$13,650</b>

Estimated Total Cost **\$21,242**

### Construction Oversight

Estimated Construction Days	35
Hours	280
Cost @ \$50/hour	<b>\$14,000</b>